Please type a plus sign (+) inside this box  $\rightarrow$  [+]

Approved for use through 10/31/2002 (MB) 9651-0031 Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person dap present Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

SHEET 1 of 1

COMPLETE IF KNOWN "1 /8 2002								
Application Number	10/014,377 100 MAIL RUGAL							
Confirmation Number	1041 ROOM							
Filing Date	December 11, 2001							
First Named Inventor	Raul Victorino Nunes							
Group Art Unit	1761							
Examiner Name	Not Yet Assigned							
Attorney Docket Number	8624							

# **U. S. PATENT DOCUMENTS**

EXAMINER INITIALS*	Cite No. <sup>1</sup>	DOCUMENT NUMBER  Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
Lat?		3,057,734	Oct. 9, 1962	Pader	
		3,558,768	Jan. 26, 1971	Klippel	
		5,853,761	Dec. 2, 1998	Kumabe, et al.	
		6,099,876	Aug. 8, 2000	Nussinovitch	<del></del>

## **FOREIGN PATENT DOCUMENTS**

EXAMINER INITIALSA	Cite No.1	FOREIGN PATENT DO  Country Code <sup>3</sup> Number <sup>4</sup>	CUMENT  Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	7.6
NA .		CN 1,110,535 A		Oct. 25, 1995	Shun-lun He	Appear	×
04		EP 0 146 904 A2		Jul. 3, 1985	Lancia		<del>  ^</del>
		EP 0 336 894 A1		Oct. 11, 1989	Shawn, et al.		<del>                                     </del>
		EP 0 512 855 A2		Nov. 11, 1992	Cilento, et al.		-
		EP 0 853 888 A1		Jul. 22, 1998	Warendorf		_
		GB 915 389		Jan. 9, 1963	Grindstedvaerket AS		
		GB 2 087 212 A		May 2, 1982	Delion, et al.		
		JP 11056315		Mar. 2, 1999	Mikiko		
		WO 93/08704		May 13, 1993	Bunger, et al.	<del></del>	
		WO 97/39170		Oct. 23, 1997	Kershaw, et al.		

# OTHER ART - NON PATENT LITERATURE DOCUMENTS

EXAMINER INMIALS*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published					
		2 2 1 2 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2					
EXAMINE	2						
EVALUES		Leb Rutt DATE CONSIDERED 5-5-04					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of U.S. Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, D.C. 20231.

Approved for use through 10/31/2002 OMB 0651-0031

Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO	COMPLETE IF KNOWN		
	Application Number	10/014,377	
INFORMATION DISCLOSURE	Confirmation Number		
OF EATEMENT BY APPLICANT	Filing Date	December 11, 2001	
whee as many sheets as necessary)	First Named Inventor	Raul Victorino Nunes	
MAY S DOOR E	Group Art Unit		
JAH	Examiner Name		
SHEET 1 SE PAI	Attorney Docket Number	8624	
& TRADE	ENT DOCUMENTS		

### **U. S. PATENT DOCUMENTS**

EXAMINER INITIALS*	Cite No.1	U.S. PATENT DOCUMENT Number Kind Code <sup>2</sup> (If known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
1377	1	3,658,552	Carlson, et al.	Apr. 25, 1972	
	2	4,187,326	Serafino, et al.	Feb. 5, 1980	
	3	4,276,311	Burrows, et al.	Jun. 30, 1981	
	4	4,504,504	Gaehring, et al.	Mar. 12, 1985	
	5	4,529,613	Mezzino, et al.	Jul. 16, 1985	
	6	4,612,204	Huffman	Sep. 16, 1986	
	7	4,619,883	Anderson	Oct. 28, 1986	
	9	5,356,654	Speirs, et al.	Oct. 18, 1994	
	10	5,385,748	Bunger, et al.	Jan. 31, 1995	
	11	5,498,702	Mitchell, et al.	Mar. 12, 1996	
	12	5,529,796	Gobbo, et al.	Jun. 25, 1996	
	13	5,571,334	Dunn, et al.	Nov. 5, 1996	
	14	5,576,039	Lewis	Nov. 19, 1996	
. 17	15	5,656,734	Ehrlich	Aug. 12, 1997	
	16	5,866,190	Barey	Feb. 2, 1999	

#### **FOREIGN PATENT DOCUMENTS**

	EXAMINER INITIALS*	Cite No. <sup>1</sup>	FO Office <sup>3</sup>	REIGN PATENT DOO Number <sup>4</sup>	CUMENT Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
_	1/2/	17	EP	0 639 335 B1		Lelli, et al.	Jun. 17, 1998		
•	· )	18	wo	99/37685		Marr, et al.	Jul. 29, 1999		
•		19	WO	00/08952		Madsen, et al.	Feb. 24, 2000		

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published					
EXAMINER	0	eler Pratt DATE CONSIDERED 5-5-04					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, D.C. 20231.